

## ROMAC INDUSTRIES, INC.

# FJ-RESTRAINT FLEXIBLE BALL JOINT RESTRAINT FITTING FLANGED ENDS 3" THROUGH 24"

## SUBMITTAL INFORMATION

<b>USE</b>	The FJ-Restraint is a flexible ductile iron fitting, developed to accommodate pipeline forces that would otherwise result in damaged pipe or loss of service. The FJ-Restraint is designed to compensate for expansion, contraction, rotation, bending and settlement of your pipeline all at the same time, with one fitting. Designed for use in buried applications or above ground service.
<b>MATERIALS</b>	
Castings	The casing, ball and Sleeve are cast of ductile (nodular) iron, meeting or exceeding ASTM A 536, Grade 65-45-12.
Flange	Compatible with ANSI Class 125 and 150 bolt circles.
Lock Ring	Series 400 stainless steel. Limits expansion and contraction of FJ-Restraint up to maximum working pressure.
Ring Gaskets	Ring gaskets are made of dual Ethylene Propylene Diene Methylene (EPDM) compounded for water and sewer service.
Casing Covers	Covers are made of Ethylene Propylene Diene Methylene (EPDM) compounded for water and sewer service.
Coatings	The entire fitting is lined and coated with fusion bonded epoxy, applied and tested in accordance with AWWA C213. All exposed exterior surfaces are 12 to 18 mils.
Protective Sleeve	Polyethylene sleeve, 8 mils thick to cover entire FJ-Restraint assembly after installation. Provided with flexible rubber bands to secure to pipe ends and FJ-Restraint.
<b>PRESSURE</b>	When properly installed the FJ-Restraint can be used at working pressures up to 350 psi.
<b>FM Approved</b>	3 inch through 12 inch.

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This information is based on the best data available at the date printed above, please check with Romac Engineering Department for any updates or changes.